

PATENT APPLICATION

**WHAT IS CLAIMED IS:**

1. A method comprising:
  2. obtaining a first set of information representing an artifact to a first degree of quality,
  3. obtaining a second set of information representing the artifact to a second degree of quality different from the first degree of quality;
  4. determining which of the first set of information and the second set of information represents the artifact to a higher degree of quality and which represents the artifact to a lesser degree of quality;
  5. and
  6. altering the set of information representing the artifact to a lesser degree of quality, based on the set of information representing the artifact to a higher degree of quality.
11. The method as in Claim 1, wherein altering includes performing a Fourier transform analysis on the first set of information and the second set of information.
12. The method as in Claim 2, wherein altering further includes using a phase of the set of information representing the artifact to a higher degree of quality to adjust a phase of the set of information representing the artifact to lesser degree of quality.
13. The method as in Claim 2, wherein altering further includes using a magnitude of the set of information representing the artifact to a higher degree of quality to adjust a magnitude of the set of information representing the artifact to lesser degree of quality.

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1           5. The method as in Claim 1, wherein the first set of information and the  
2           second set of information are digital representations of analog  
3           images.

1           6. The method as in Claim 1, wherein the first set of information and the  
2           second set of information are obtained using a scanner.

1           7. The method as in Claim 1, wherein the first set of information and the  
2           second set of information are obtained using a digital camera.

1           8. The method as in Claim 1, wherein the first set of information and the  
2           second set of information are obtained using a digital film  
3           development system.

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1. A digital film development system comprising:  
2. a film processing system, said film processing system including an  
3. image capturing station capable of obtaining sets of data  
4. representing an image formed in film ; and  
5. a data processing system, said data processing system including:  
6. a processor;  
7. memory operably coupled to said processor; and  
8. a program of instructions capable of being stored in said  
9. memory and executed by said processor, said program  
10. of instructions including instructions for:  
11. obtaining a first set of information representing an  
12. artifact to a first degree of quality,  
13. obtaining a second set of information representing the  
14. artifact to a second degree of quality different  
15. from the first degree of quality;  
16. determining which of the first set of information and the  
17. second set of information represents the artifact  
18. to a higher degree of quality and which  
19. represents the artifact to a lesser degree of  
20. quality; and  
21. altering the set of information representing the artifact  
22. to a lesser degree of quality, based on the set of  
23. information representing the artifact to a higher  
24. degree of quality.

1. 10. The digital film development system as in Claim 9, wherein said  
2. program of instructions includes instructions for performing a  
3. Fourier transform analysis on the first set of information and  
4. the second set of information.

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1 11. The digital film development system as in Claim 10, wherein said  
2 program of instructions includes instructions for using a phase  
3 of the set of information representing the artifact to a higher  
4 degree of quality to adjust a phase of the set of information  
5 representing the artifact to lesser degree of quality.

1 12. The digital film development system as in Claim 10, wherein said  
2 program of instructions includes instructions for using a  
3 magnitude of the set of information representing the artifact to  
4 a higher degree of quality to adjust a magnitude of the set of  
5 information representing the artifact to lesser degree of quality.

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1 13. A digital image tangibly embodied in a computer readable medium,  
2 said digital image generated according to a method comprising:  
3 obtaining a first set of information representing an artifact to a  
4 first degree of quality,  
5 obtaining a second set of information representing the artifact  
6 to a second degree of quality different from the first  
7 degree of quality;  
8 determining which of the first set of information and the second  
9 set of information represents the artifact to a higher  
10 degree of quality and which represents the artifact to a  
11 lesser degree of quality; and  
12 altering the set of information representing the artifact to a  
13 lesser degree of quality, based on the set of information  
14 representing the artifact to a higher degree of quality.

1 14. The digital image as in Claim 13, wherein altering includes performing  
2 a Fourier transform analysis on the first set of information and  
3 the second set of information.

1 15. The digital image as in Claim 14, wherein altering further includes  
2 using a phase of the set of information representing the artifact  
3 to a higher degree of quality to adjust a phase of the set of  
4 information representing the artifact to lesser degree of quality.

1 16. The digital image as in Claim 14, wherein altering further includes  
2 using a magnitude of the set of information representing the  
3 artifact to a higher degree of quality to adjust a magnitude of  
4 the set of information representing the artifact to lesser degree  
5 of quality.

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1 17. The digital image as in Claim 13, wherein the first set of information  
2 and the second set of information are digital representations of  
3 analog images.

1 18. The digital image as in Claim 13, wherein the first set of information  
2 and the second set of information are obtained using a scanner.

1 19. The digital image as in Claim 13, wherein the first set of information  
2 and the second set of information are obtained using a digital  
3 camera.

1 20. The digital image as in Claim 13, wherein the first set of information  
2 and the second set of information are obtained using a digital  
3 film processing system.

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1 21. A method comprising:  
2 illuminating an image;  
3 recording at least one digital representation of the image;  
4 selecting, from the at least one digital representation, a first set of  
5 information representing a portion of the image;  
6 selecting, from the at least one digital representation, a second set of  
7 information representing the portion of the image, the second  
8 set of information being different from the first set of  
9 information;  
10 generating, from one of the first set of information and the second set  
11 of information, a shepherd artifact representing an image  
12 artifact with a higher degree of quality;  
13 generating, from the other of the first set of information and the second  
14 set of information, a sheep artifact representing the image  
15 artifact with a lesser degree of quality; and  
16 altering the sheep artifact using the shepherd artifact to improve the  
17 degree of quality with which the sheep artifact represents the  
18 image artifact.

1 22. The method as in Claim 21, wherein altering includes performing a  
2 Fourier transform analysis on the first set of  
3 information and the second set of information.

1 23. The method as in Claim 22, wherein altering further includes using a  
2 phase of the set of information representing the artifact to a  
3 higher degree of quality to adjust a phase of the set of  
4 information representing the artifact to lesser degree of quality.

1 24. The method as in Claim 23, wherein altering further includes using a

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1 magnitude of the set of information representing the artifact to  
2 a higher degree of quality to adjust a magnitude of the set of  
3 information representing the artifact to lesser degree of quality.

1 25. The method as in Claim 21, wherein the first set of information and the  
2 second set of information are digital representations of analog  
3 images.

1 26. The method as in Claim 21, wherein the first set of information and the  
2 second set of information are obtained using a scanner.

1 27. The method as in Claim 1, wherein the first set of information and the  
2 second set of information are obtained using a digital film  
3 development system.